



FURON® HGVM VALVE

2-WAY PNEUMATIC
2" ORIFICE

Furon HGVM Pneumatic Valves offer a reliable means of handling large volumes of aggressive or ultrapure chemistries. Engineered from virgin PTFE, injection molded PFA and other engineered thermoplastics, Furon HGVM valves offer the highest Cv flow factors of any fluoropolymer valve of its size. Our patented PTFE rolling diaphragm is ideal for use in high back pressure conditions which are commonly found in Bulk Chemical Delivery Systems. In-line fluid ports and a fully swept internal flow path support maximum flow efficiency. The manually-actuated version features a large, ergonomically designed adjustment knob for ease of operation while wearing cleanroom gloves. Furon HGVM Valves also feature our time-proven O-ring Free Union end connections, simplifying installation and eliminating the potential for elastomeric contamination. As extra protection against chemical leakage, our 2" HGVM Valves incorporate a no "O-Ring" double seal union which provides a secondary sealing surface and locking design feature.

APPLICATIONS

Furon 2" HGVM Valves are ideal for use in the semiconductor industry, or other applications requiring high purity and/or superior chemical resistance.

- Bulk Chemical Delivery Systems in the Semiconductor Industry
- Suitable for use in abrasive slurry
- Transfer of large volumes of aggressive, abrasive, and/or ultra-high purity chemistries.

FEATURES AND BENEFITS

- 52 Cv flow factor
- All virgin PTFE and PFA wetted flow path
- Fully swept internal flow path
- Patented rolling diaphragm
- Visual position indication facilitates end user safety
- In-line ports support maximum flow efficiency and ease of installation
- No "O-Ring" double seal union eliminates dead space and elastomeric contamination with locking design features for improved protection
- High back pressure capability ensures safety and high performance
- Pneumatic HGVM valve designs have been tested for more than 1 million cycles

Furon® HGVM Valve Pneumatic

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SPECIFICATIONS

Description	Flow Path	End Connection Type	Orifice		End Connection Size	
			in	mm	in	mm
HGVM2-73232-NC	Normally Closed	FuseBond™	2	50.8	2*	DN 50*
HGVM2-73224-NC	Normally Closed	FuseBond™			1-1/2*	DN 40*

*Nominal by Schedule 40 Pipe

TECHNICAL SPECIFICATIONS

Operating Pressure	80 PSIG (5.5 bar)
Back Pressure	80 PSIG (5.5 bar)
Actuator Pressure	60 – 80 PSIG (4.1 bar – 5.5 bar)
Flow	Cv 52
Operating Temperature	Ambient: 122°F (50°C) Media: 212°F (100°C)
Body	PFA
Diaphragm	Modified PTFE
Actuator Housing and Knob	Polypropylene

Tested with HF for more than 300 thousand cycles in pneumatic HGVM Valve

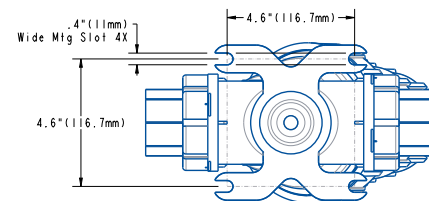
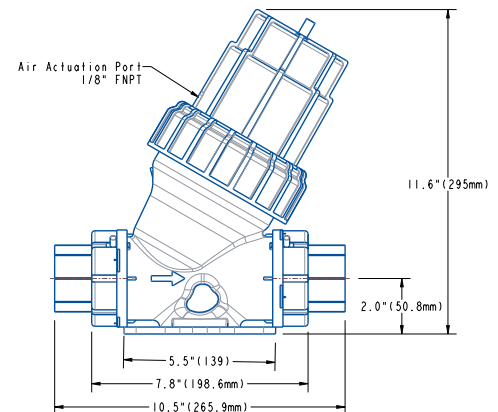
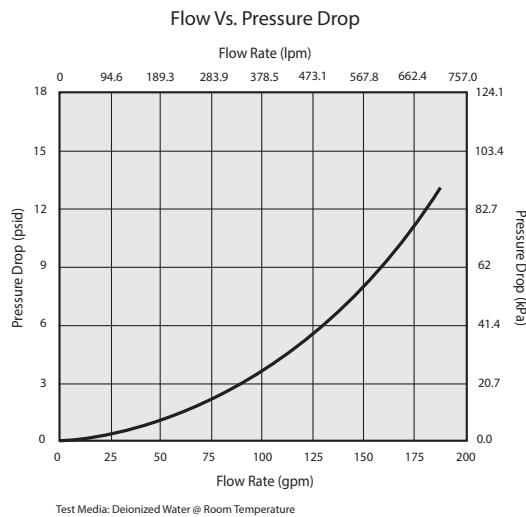
OPTIONS

Fiber optic position sensor.
Flow path normally open.

Other end connection types available:

- Nippon Pillar Super 300®
- Others not listed

[Please consult our engineers](#) for details.



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